

{ Translation of  
Annex to IPER }

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New patent claims

1. An arrangement for specifying digital data on the basis of the Internet Protocol (IP),  
5 having a first means  
- having a first network layer, which is used to specify the data on the basis of the format of a first Internet Protocol (IPv4) to give data having a first Internet Protocol format,  
10 having a second means  
- having an intermediate layer, which is used to map the data having the first Internet Protocol format to generic intermediate data which can be processed by a second network layer, and  
15 having a third means  
- having the second network layer, which is used to specify the intermediate data on the basis of the format of a second Internet Protocol (IPv6) to give data having a second Internet Protocol format.
- 20 2. An arrangement for decoding digital data existing in a second Internet Protocol format on the basis of the Internet Protocol (IP),  
- having a second means, which is used to decode the data on the basis of the format of a second Internet  
25 Protocol (IPv6) to give data having a decoded second Internet Protocol format,  
- having a mapping unit, which is used to map the data having the decoded second Internet Protocol format onto data which can be processed by a first means, and  
30 - having the first means, which is used to decode the data on the basis of the format of a first Internet Protocol (IPv4) to give the data.
3. The arrangement as claimed in claim 1 or 2,  
in which the mapping unit has a parameter determination  
35 unit for determining parameters which are required for coding the data having the first Internet Protocol

format to give data in the second Internet Protocol  
format.

4. The arrangement as claimed in claim 3,

in which the parameter determination unit is designed on the basis of at least one of the following types:

- the parameter determination unit is configured depending on the arrangement itself,
- 5 - the parameter determination unit is configured depending on a user of the arrangement,
- the parameter determination unit is configured depending on a process currently being carried out by the arrangement, or
- 10 - the parameter determination unit determines the necessary parameters from a database to which the arrangement has access.

5. A method for coding digital data on the basis of the Internet Protocol (IP),

- 15 - in which the data are coded on the basis of the format of a first Internet Protocol (IPv4) to give data having a first Internet Protocol format,
- in which the data having the first Internet Protocol format are mapped onto data which can be processed by a
- 20 second means, and
- in which the data are coded on the basis of the format of a second Internet Protocol (IPv6) to give data having a second Internet Protocol format.

6. A method for decoding digital data existing in

25 a second Internet Protocol format on the basis of the Internet Protocol (IP),

- in which the data are decoded on the basis of the format of a second Internet Protocol (IPv6) to give data having a decoded second Internet Protocol format,
- 30 - in which the data having the decoded second Internet Protocol format are mapped onto data which can be processed by a first means, and
- in which the data are decoded on the basis of the format of a first Internet Protocol (IPv4) to give the
- 35 data.

7. The method as claimed in claim 5 or 6,  
in which parameters are additionally determined which  
are necessary for coding the data having the first  
Internet Protocol format to give data in the second  
5 Internet Protocol format.

8. The method as claimed in claim 7,  
in which the parameters are determined in at least one  
of the following ways:  
- the parameters are determined depending on the  
10 arrangement itself,  
- the parameters are determined depending on a user of  
the arrangement,  
- the parameters are determined depending on a process  
currently being carried out, or  
15 - the parameters are determined from a database.

add A1